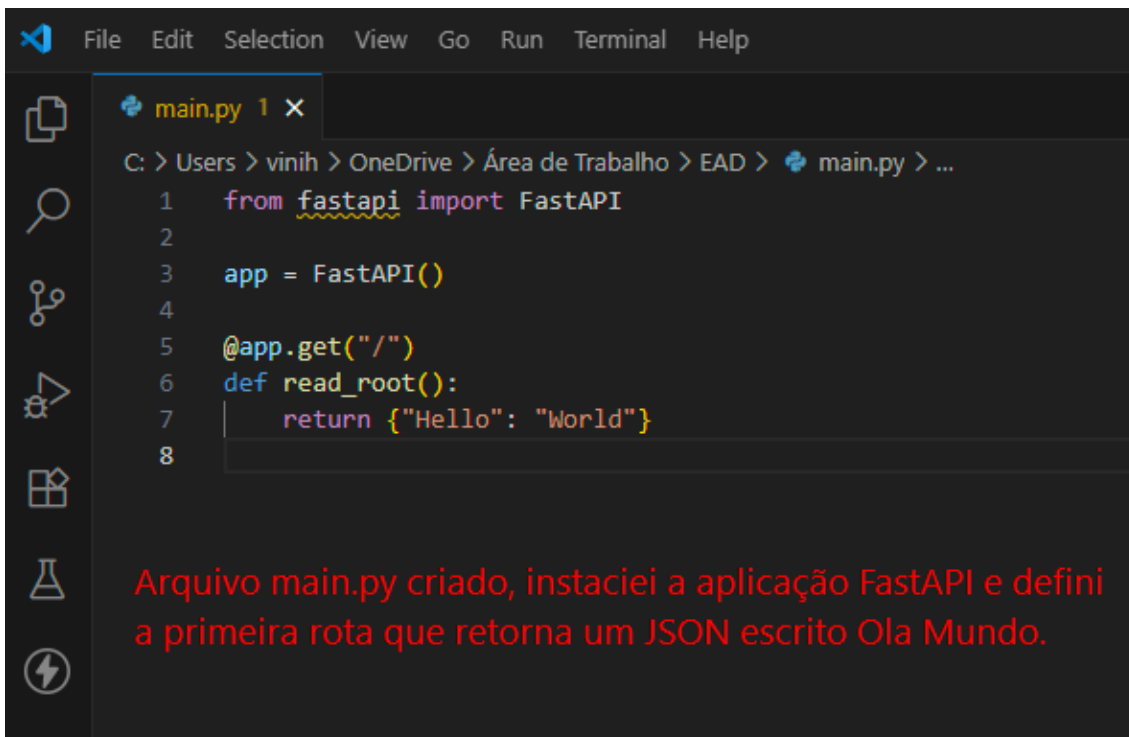


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Curso: Sistemas de Informação – 6º termo

## ATIVIDADE 02

Atenção: Antes de realizar a atividade, leia as orientações no AVA.



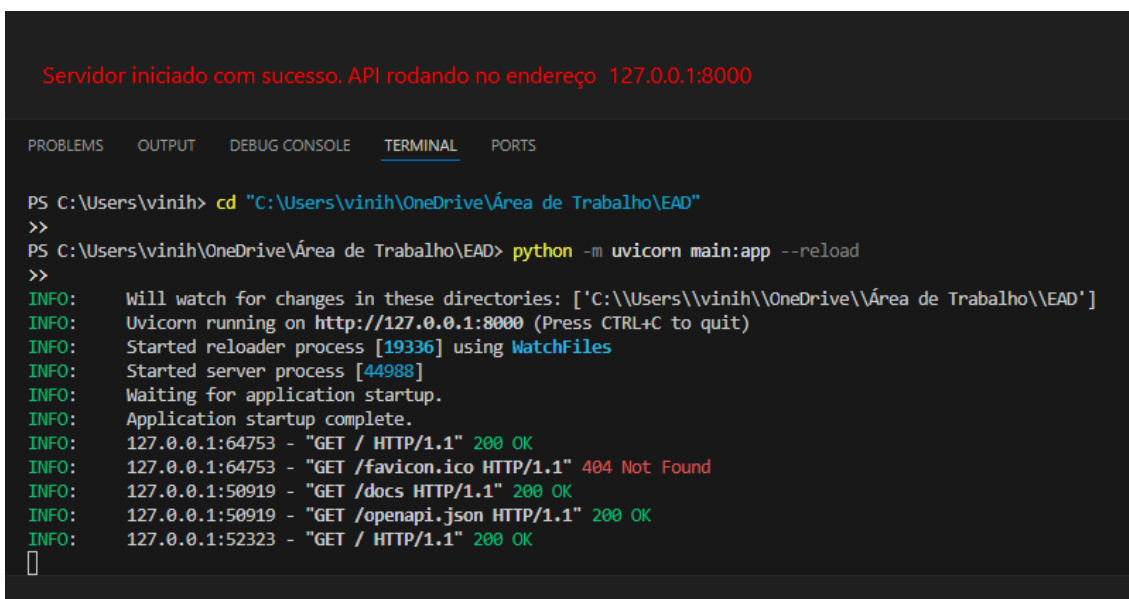
The screenshot shows a code editor with a dark theme. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The file explorer on the left shows a folder named 'main.py'. The code in the editor is as follows:

```

1  from fastapi import FastAPI
2
3  app = FastAPI()
4
5  @app.get("/")
6  def read_root():
7      return {"Hello": "World"}
8

```

Below the code, there is a red text overlay that reads: "Arquivo main.py criado, instalei a aplicação FastAPI e defini a primeira rota que retorna um JSON escrito Ola Mundo."



The screenshot shows a terminal window with the following output:

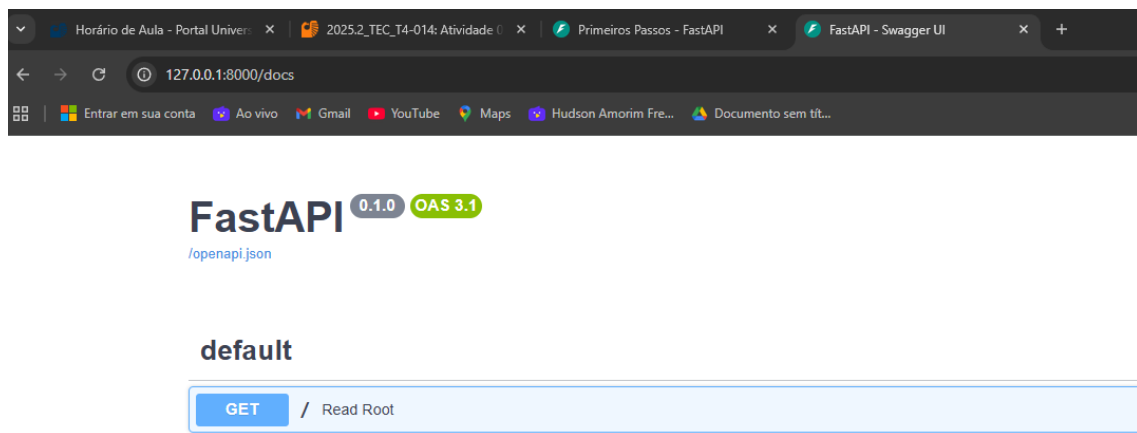
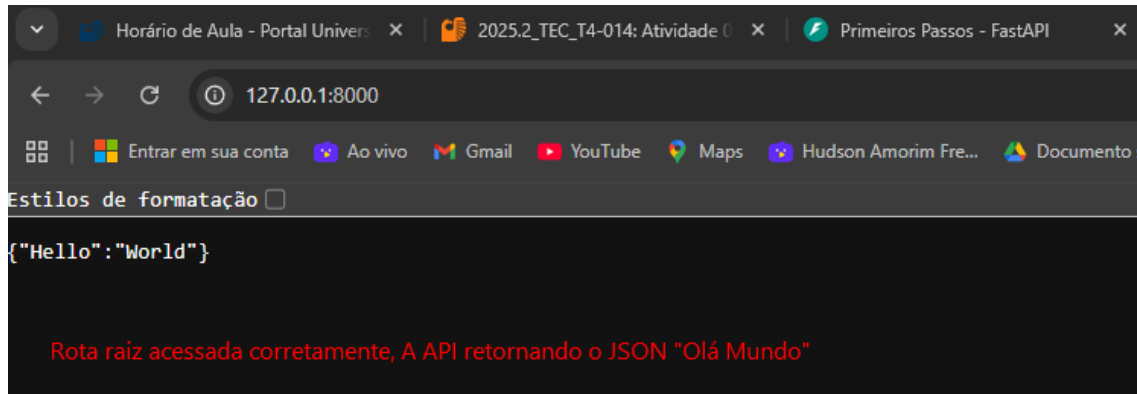
```

Servidor iniciado com sucesso. API rodando no endereço 127.0.0.1:8000

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\vinih> cd "C:\Users\vinih\OneDrive\Área de Trabalho\EAD"
>>
PS C:\Users\vinih\OneDrive\Área de Trabalho\EAD> python -m uvicorn main:app --reload
>>
INFO: Will watch for changes in these directories: ['C:\Users\vinih\OneDrive\Área de Trabalho\EAD']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [19336] using WatchFiles
INFO: Started server process [44988]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: 127.0.0.1:64753 - "GET / HTTP/1.1" 200 OK
INFO: 127.0.0.1:64753 - "GET /favicon.ico HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:50919 - "GET /docs HTTP/1.1" 200 OK
INFO: 127.0.0.1:50919 - "GET /openapi.json HTTP/1.1" 200 OK
INFO: 127.0.0.1:52323 - "GET / HTTP/1.1" 200 OK

```



Documentação Swagger gerada corretamente. Permite visualizar e testar as rotas da API de forma interativa.

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```
main.py
C: > Users > vinih > OneDrive > Área de Trabalho > EAD > main.py > read_obj
1  from fastapi import FastAPI
2
3  app = FastAPI()
4
5  @app.get("/")
6  def read_root():
7      return {"Hello": "World"}
8
9
10 @app.get("/objetos/{obj_id}")
11 def read_obj(obj_id: int, q: str | None = None):
12     return {"obj_id" : obj_id, "q" : q}
```

Adicionada nova rota /objetos/{obj\_id} com parâmetros.  
obj\_id é um parâmetro de caminho (obrigatório) e q é de consulta (opcional)

Parameters

Cancel

Name	Description
obj_id * required integer (path)	2
q string   (string   null) (query)	teste

Execute

Clear

Teste realizado com sucesso no Swagger UI, a API retornou os valores enviados para obj\_id e q (2, teste);

Responses

Curl

```
curl -X 'GET' \
'http://127.0.0.1:8000/objetos/2?q=teste' \
-H 'accept: application/json'
```

Request URL

```
http://127.0.0.1:8000/objetos/2?q=teste
```

Server response

Code	Details
200	<div>Response body</div> <pre>{   "obj_id": 2,   "q": "teste" }</pre> <div>Download</div> <div>Response headers</div> <pre>content-length: 24 content-type: application/json date: Sun, 05 Oct 2025 23:00:58 GMT server: unicorn</pre>

Responses

Code	Description	Links
200	Successful Response	No links